

1948

Hot Water Automatically-Economically



THE BEAUTIFUL NEW

DUO-THERM

FUEL OIL WATER HEATER

Imagine! Less than 4¢ a day for loads of Hot Water *Automatically*



You need wish no longer for the comforts of automatic hot water!

A new Duo-Therm will give you plenty of it — at the turn of the tap — and for less than 4¢ a day for the average family of four.

A Duo-Therm burns cheap fuel oil — available anywhere — completely eliminates the nuisance of coal, wood and fire-building to get hot water.

It can be installed anywhere, city or country — no gas or electric connections are needed!

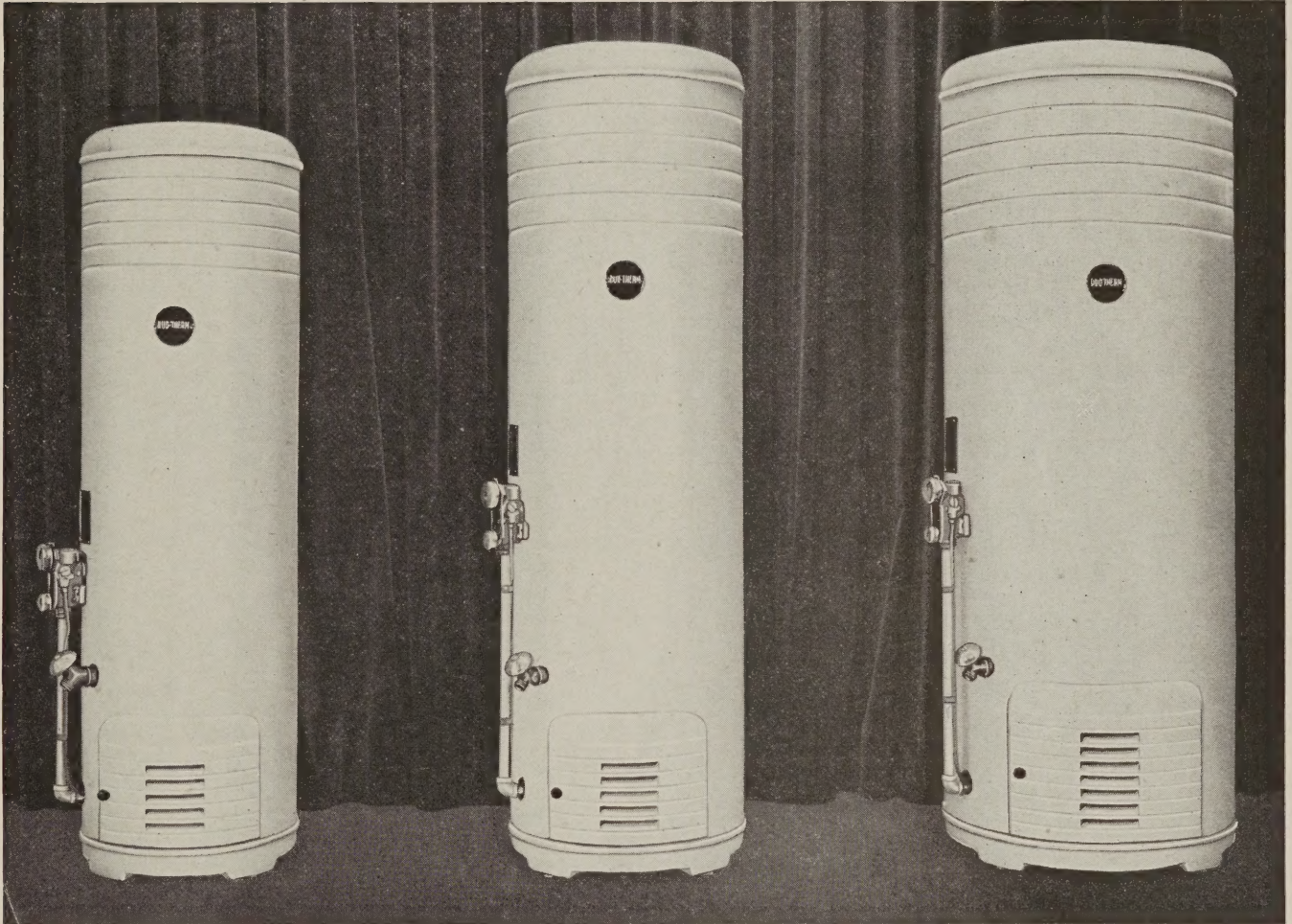
In the kitchen, laundry room or basement, your new Duo-Therm will be admired for its handsome styling and gleaming white finish. And you'll appreciate it more and more, every time you turn the tap.

New!

1948

DUO-THERM

AUTOMATIC GAS WATER HEATERS



MODEL 40G-7

MODEL 60G-7

MODEL 90G-7

The handsome new Duo-Therm automatic gas water heaters incorporate all of the sound engineering and precision construction which have made all Duo-Therm appliances the leaders in their field. *Simplicity* has been the keynote in their design. *Quality* is inherent in every feature of every heater produced.

With their handsome styling and gleaming white enamel finish, these new water heaters will make attractive additions to any kitchens, laundry rooms or basements in which they are installed. Streamlined throughout, with smooth rounded contours and a base flush to the floor, they are as easy to keep spotlessly clean and beautiful as the most modern range, refrigerator or other household appliance.

In extensive field and laboratory tests, these new Duo-Therms have proved their ability to provide users with years of trouble-free service, unsurpassed performance, rock-bottom economy and complete safety of operation.

Built in three standard sizes to meet virtually every domestic requirement as well as smaller commercial needs.

(over)

The New DUO-THERM Gas Water Heaters Offer All Of These QUALITY FEATURES!

Ample Storage Plus Fast Recovery! Insures plenty of hot water even during periods of peak demand.

New Duo-Therm Gas Burner! Tough cast iron with double row of precision drilled ports. Hidden baffle and tapered burner profile provide uniform distribution of gas to all ports. Easily removable. Same burner can be used with all gases.

Multi-Purpose Heat Chamber Base! Scientifically shaped to meter secondary air accurately and uniformly to all parts of the burner for greater efficiency. Also acts as burner support and, in addition, traps water of condensation, thus preventing burner corrosion.

Heavy Duty Boiler! Built of heavy gauge steel with high temperature hot dipped zinc lining for maximum protection against deterioration. No coils to clog or rust out.

Large, Off-Center Flue! Eliminates drippage from condensation directly on the burner. Promotes economy of operation by increasing distance of heat travel and thereby utilizing more heat units. Special 5-step staggered louver baffle in the flue itself further retards upward flow of heated gases.

Spun-Glass Insulation Throughout! Extra heavy 1½" layer of Owens-Illinois spun glass insulation completely surrounds the boiler, reducing stand-by loss to a minimum.

Grayson-Robertshaw "Unitrol"! Standard on all models. Simple, all-in-one unit accurately meters gas to burner, regulates water temperatures and filters gas for pilot fire. Automatically shuts off gas in case of pilot failure. Can be used with all gases. Self-contained shutoff valve.

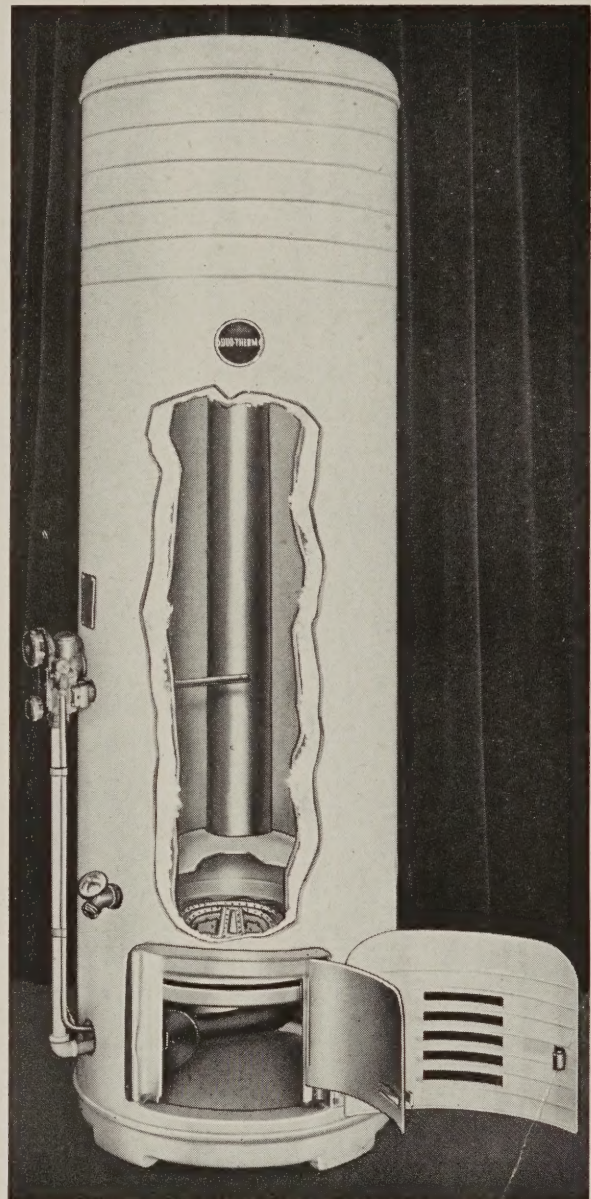
Water Temperature Adjustment! Conveniently located on the "Unitrol." Simple, accurate!

"Perma-Plate" Instruction Panel! Another Duo-Therm "first." Simple instructions for lighting heater and operating control are contained on a metal plate mounted on the heater casing itself.

Double Base! Provides insulated support and thus permits installation with complete safety on wood, linoleum or other floors.

Double Doors to Burner Compartment! Streamlined outer door completely harmonizes with over-all heater design. Special inner door acts as an air meter and also as a baffle to hold heat within combustion chamber.

Approved by the American Gas Association! The new Duo-Therm gas water heaters passed all A.G.A. tests.



SPECIFICATIONS — ALL MODELS

	40G-7	60G-7	90G-7
Storage capacity.....	18 gal.	28 gal.	45 gal.
Recovery rate*.....	25 gal.	42 gal.	42 gal.
Over-all height**.....	52¾"	58½"	58½"
Over-all floor space.....	17" x 22"	19" x 24"	22" x 27"
Water connections.....	hot ¾" cold ¾"	hot ¾" cold ¾"	hot 1¼" cold 1¼"
Shipping wt. (approx.)	180 lbs.	240 lbs.	330 lbs.
Auxiliary storage***.....	60 gals.	60 gals.	160 gals.

* Gallons per hour, 60 degree rise with natural, manufactured or mixed gas. Slightly slower recovery with bottled gas.

** Not including downdraft diverter.

*** Maximum with insulated tank.

Form GSS—10-47—15M—BMI

Printed in U. S. A.

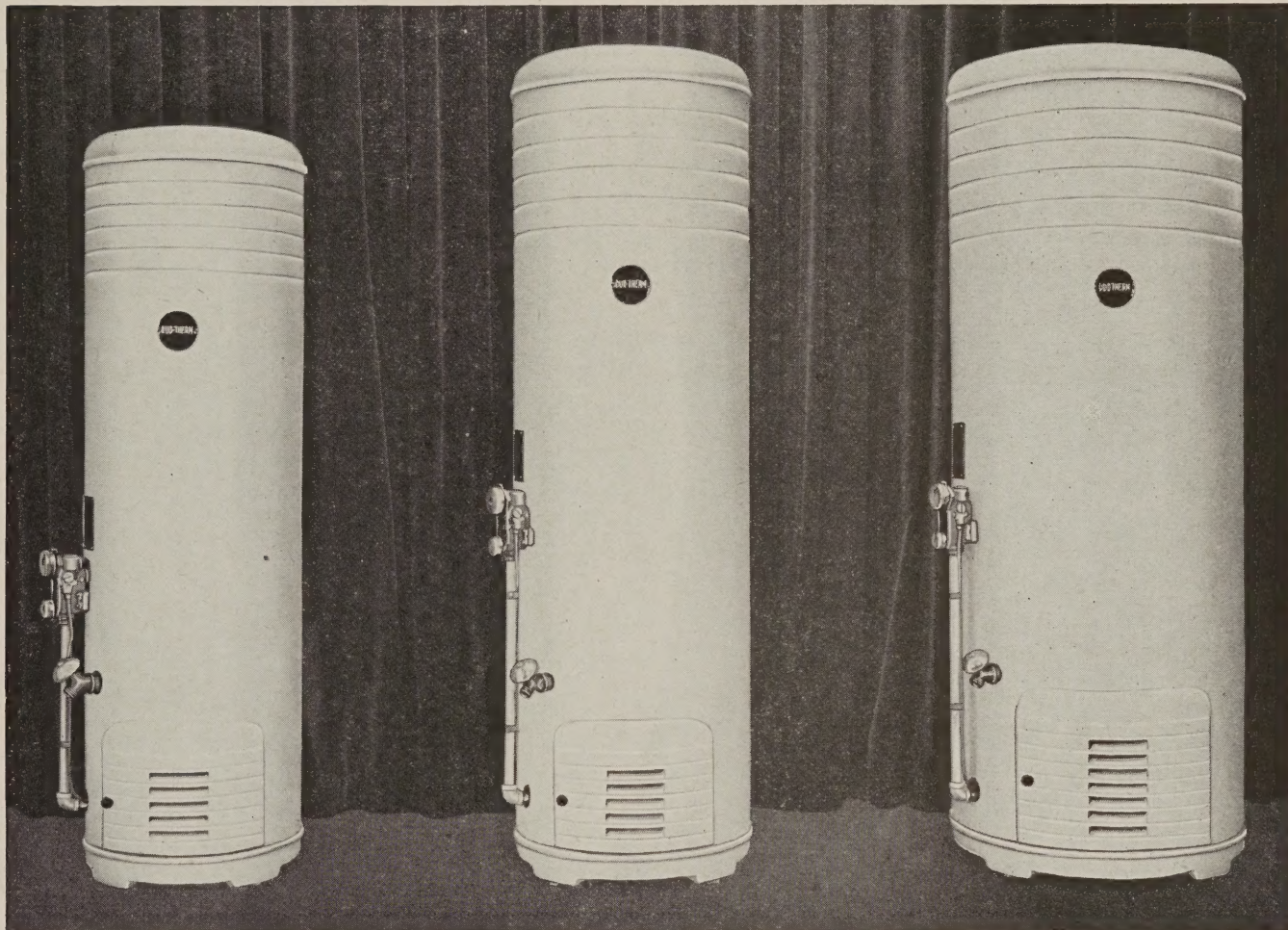
DUO-THERM

DIVISION OF MOTOR WHEEL CORPORATION LANSING 3, MICH.

1948
New!

DUO-THERM

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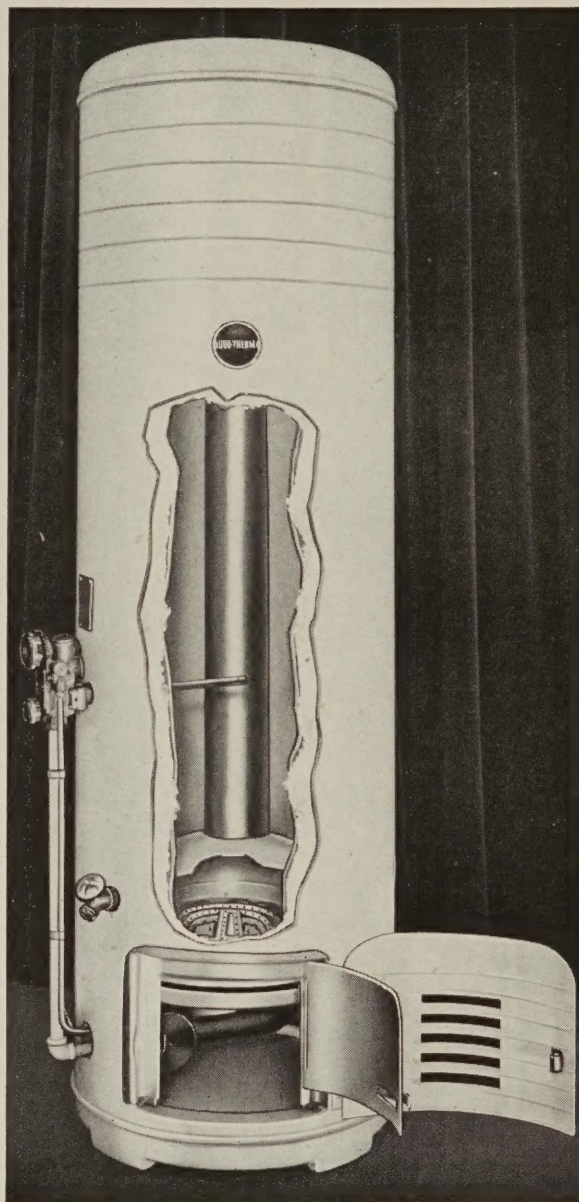
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SPECIFICATIONS — ALL MODELS

	40G-7	60G-7	90G-7
Storage capacity.....	18 gal.	28 gal.	45 gal.
Recovery rate*.....	25 gal.	42 gal.	42 gal.
Over-all height**.....	52 3/4"	58 1/2"	58 1/2"
Over-all floor space.....	17" x 22"	19" x 24"	22" x 27"
Water connections.....	hot 3/4" cold 3/4"	hot 3/4" cold 3/4"	hot 1 1/4" cold 1 1/4"
Shipping wt. (approx.).....	180 lbs.	240 lbs.	330 lbs.
Auxiliary storage***.....	60 gals.	60 gals.	160 gals.

* Gallons per hour, 60 degree rise with natural, manufactured or mixed gas. Slightly slower recovery with bottled gas.

** Not including downdraft diverter.

*** Maximum with insulated tank.

DUO-THERM

DIVISION OF MOTOR WHEEL CORPORATION LANSING 3, MICH.

The Beautiful New Duo-Therm Automatic Fuel Oil Water Heater

-gives you 3 times as much hot water for your dollar!



**685 Gallons with
Electricity**



**826 Gallons with
Manufactured Gas**



**2551 Gallons with
a DUO-THERM**

Duo-Therm offers an amazingly low operating cost in the automatic water heater field.

For purposes of comparison, electricity is estimated at the low "off-peak" rate of 1c per KWH; manufactured gas at \$1.00 per thousand cubic feet, and ordinary No. 1 or No. 2 fuel oil

as used in a Duo-Therm automatic fuel oil water heater at the *higher than average* figure of 8c a gallon. All comparisons are based on relative volumes of water heated through a 60° rise.

While these rates may vary in different localities, they represent conservative averages.

HOT WATER AUTOMATICALLY...



HOT WATER IN ABUNDANCE!

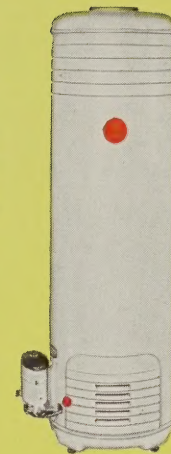
Even on wash days, Duo-Therm supplies plenty of steaming hot water . . . enough for the whole family, and still more where that came from. Any Duo-Therm water heater will heat all the water its large capacity, self-contained storage tank will hold *in a single hour*. That's why you'll always have lots of hot water when you want it most with a Duo-Therm.

HOT WATER AT THE TURN OF THE TAP!

Hot water, morning, noon and night . . . and you don't have to do a lick of work to get it. Duo-Therm water heaters are *fully automatic* . . . no fuel to carry, no fires to build, no trudging up and down stairs to tend an inconvenient, hand-operated heater. Just set the handy water temperature selector at warm, medium or hot, and your Duo-Therm will do the rest.



OR EVERY HOUSEHOLD USE!



HOT WATER ANYWHERE—CITY, SUBURB OR COUNTRY!

No gas or electric connections are needed with a Duo-Therm — it burns cheap fuel oil . . . gives anyone, anywhere a completely automatic, all-year-round hot water supply. City, suburb, resort or country — no matter where you live, and no matter where you want hot water, you can enjoy the turn-of-a-tap convenience and rock-bottom economy of a Duo-Therm.

A NECESSITY WITH AN AUTOMATIC WASHER!

Remember, if you're planning to buy an automatic washing machine, you're going to need lots of hot water! That's just what a Duo-Therm fuel oil water heater gives you — *automatically!* And at a cost you wouldn't believe could be so low. So plan on installing a Duo-Therm *right along with* your automatic washer. They go together just like ham and eggs.



Check every feature of the beautiful new Duo-Therm Automatic Fuel Oil Water Heater

— They show why Duo-Therm gives extra years of carefree service !



A PRECISION-BUILT PACKAGE— simply and soundly engineered in every detail, and reflecting the highest standard of quality from top to bottom.

HANDSOME OUTER CASINGS— finished in easy-to-keep-clean, white enamel. Gives extra attractiveness to the kitchen, laundry room or basement.

BUILT FOR LONG LIFE— The heavy-gauge steel boilers are high-temperature, hot-dipped galvanized for maximum protection against deterioration.

NO COILS TO CLOG— or rust out. A large central boiler flue gives a direct passage for quick heat transmission.

MORE EFFICIENT— Flame is virtually put into the water, resulting in faster service, with less waste.

EXTRA LARGE STORAGE CAPACITIES— plus faster heating service insure plenty of hot water even during periods of peak demand.

PATENTED DUAL CHAMBER BURNER— A simple, fool-proof device with no moving or mechanical parts. No other vaporizing pot type burner can match its performance and economy.

PRECISION THERMOSTATIC CONTROL— One of the biggest improvements in this type of equipment ever produced. Simple, efficient, positive in action.

CONSTANT-LEVEL OIL CONTROL— of the highest quality. Provides an accurate and uniform metering of oil.

HANDY WATER TEMPERATURE ADJUSTMENT— Conveniently located on top of the oil control. User may quickly set the heater for "warm, medium or hot".

PROPERLY INSULATED— with a combination of mineral wool and dead air space, to reduce heat losses through radiation to a minimum.

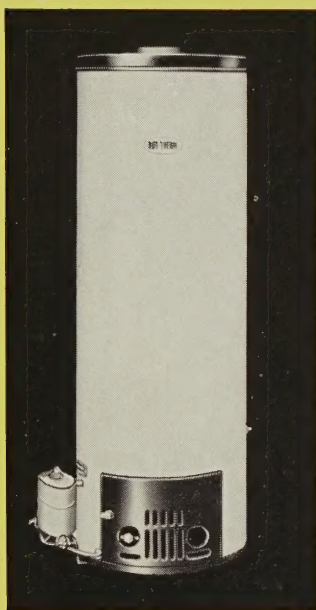
AUTOMATIC DRAFT REGULATOR— (not illustrated) insures proper draft for maximum efficiency.

AUXILIARY STORAGE— All models may be hooked-up to properly insulated auxiliary storage tanks to increase their total capacity for smaller commercial installations.

LISTED AS STANDARD BY THE UNDERWRITERS' LABORATORIES— for use with either No. 1 or No. 2 fuel oil.

Four Strikingly Beautiful Models to choose from —

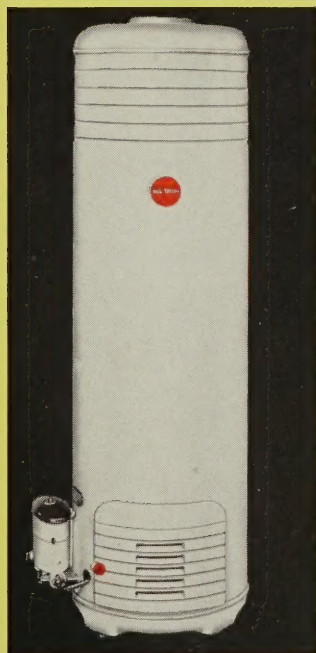
*finished in gleaming white enamel with red
or black trim. Glossy surfaces are easy to wipe clean.*



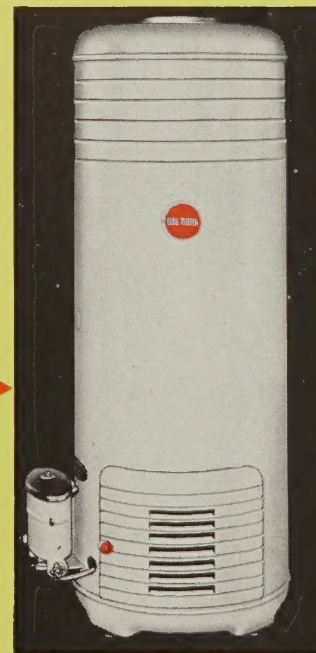
← **MODEL 30-7.** Storage capacity — 15 gallons. Heating capacity per hour — 15 gallons, 60° rise. Maximum auxiliary storage capacity with insulated tank — 30 gallons. Overall height of casing — 44". Overall floor space — 17" x 22". Water connections — hot, $\frac{3}{4}$ "; cold $\frac{3}{4}$ ". Approx. shipping weight — 190 lbs.



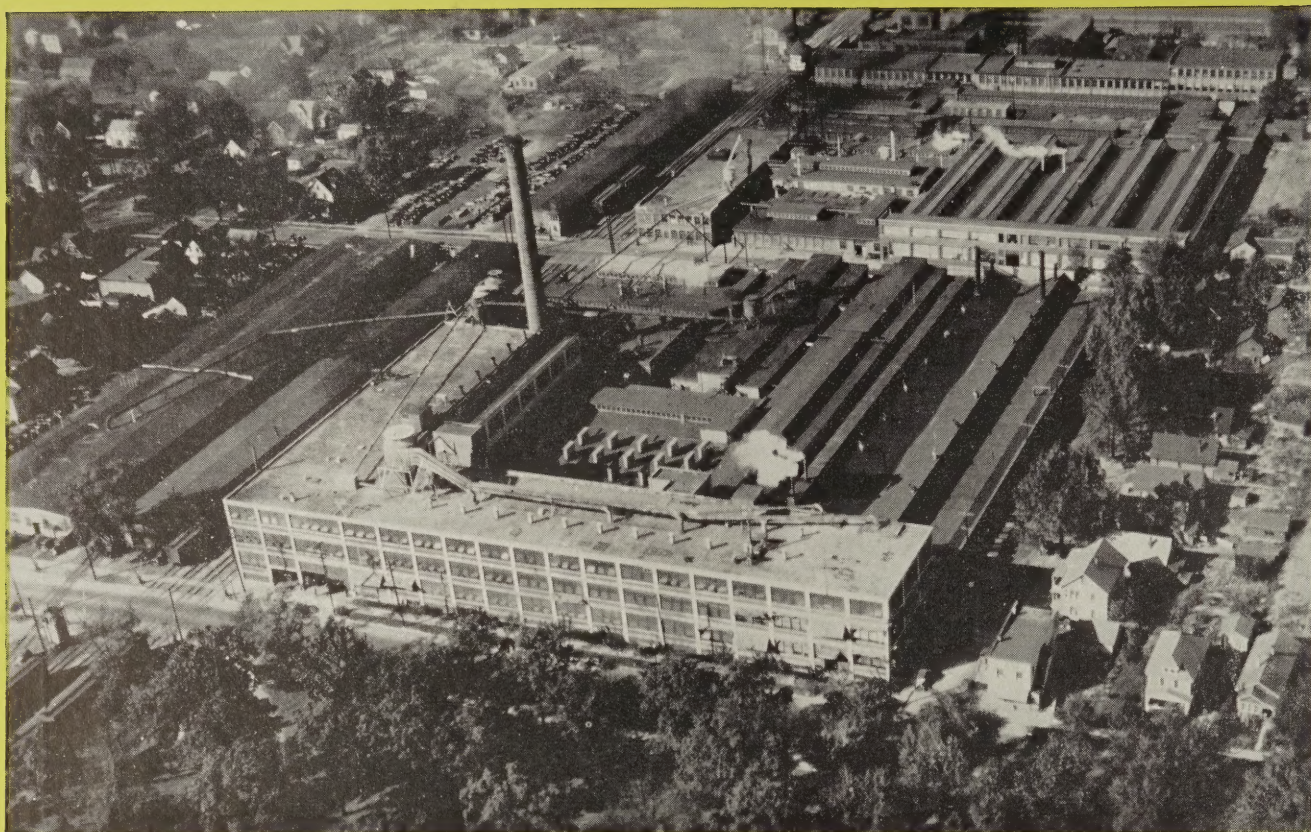
MODEL 40-7. Storage capacity — 20 gallons. Heating capacity per hour — 21 gallons, 60° rise. Maximum auxiliary storage capacity with insulated tank — 60 gallons. Overall height of casing — 52 $\frac{1}{4}$ ". Overall floor space — 17" x 22". Water connections — hot, $\frac{3}{4}$ "; cold, $\frac{3}{4}$ ". Approx. shipping weight — 205 lbs. →



← **MODEL 60-7.** Storage capacity — 30 gallons. Heating capacity per hour — 30 gallons, 60° rise. Maximum auxiliary storage capacity with insulated tank — 60 gallons. Overall height of casing — 58". Overall floor space — 19" x 24". Water connections — hot, $\frac{3}{4}$ "; cold, $\frac{3}{4}$ ". Approx. shipping weight — 280 lbs.



MODEL 90-7. Storage capacity — 45 gallons. Heating capacity per hour — 55 gallons, 60° rise. Maximum auxiliary water storage with insulated tank — 135 gallons. Overall height — 58". Overall floor space — 22" x 27". Water connections — hot, 1 $\frac{1}{4}$ "; cold, 1 $\frac{1}{4}$ ". Approx. shipping weight — 346 lbs. →



America's Largest Manufacturer of Fuel Oil Heating Appliances

Duo-Therm Automatic Fuel Oil Water Heaters are made by the Duo-Therm Division of Motor Wheel Corporation — one of America's largest makers of wheels for automobiles.

The Duo-Therm Division itself is the largest maker of fuel oil heating appliances in America. It has had the plant, men, equipment and financial resources to enable it to pioneer and perfect many of the most revolutionary developments in heating appliances today — including the finest

burner ever built — the Dual Chamber Burner — patented by Duo-Therm, and used in every Duo-Therm appliance.

That is why, when you buy any Duo-Therm fuel oil appliance, you are sure of getting the finest product it is possible to make at the lowest price for which the product can be sold.

And every claim made for it is backed up by *America's largest manufacturer of fuel oil heating appliances.*

DUO-THERM

DIVISION OF MOTOR WHEEL CORPORATION
LANSING 3, MICHIGAN